

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052722\
 Data File : VX029044.D
 Acq On : 28 May 2022 00:09
 Operator : JC/MD
 Sample : VX0527WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/31/2022
 Supervised By : Mahesh Dadoda 05/31/2022

Quant Time: May 28 08:35:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	236436	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	395304	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	353688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	178383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	164694	50.816	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.640%			
35) Dibromofluoromethane	5.391	113	142425	54.991	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 109.980%			
50) Toluene-d8	8.653	98	506245	51.845	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.680%			
62) 4-Bromofluorobenzene	11.079	95	192885	52.886	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 105.780%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	51208	16.541	ug/l	99
3) Chloromethane	1.288	50	46610	15.986	ug/l	100
4) Vinyl Chloride	1.374	62	52535	16.720	ug/l	98
5) Bromomethane	1.605	94	43908	15.999	ug/l	99
6) Chloroethane	1.685	64	36938	17.220	ug/l	99
7) Trichlorofluoromethane	1.886	101	83938	16.756	ug/l	98
8) Diethyl Ether	2.136	74	33520	18.364	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	49248	18.682	ug/l	98
10) Methyl Iodide	2.453	142	49152	15.574	ug/l	96
11) Tert butyl alcohol	2.965	59	106108	151.114	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	46281	18.913	ug/l	91
13) Acrolein	2.239	56	15511	29.158	ug/l	99
14) Allyl chloride	2.666	41	72999	18.600	ug/l	96
15) Acrylonitrile	3.062	53	164554	105.380	ug/l	99
16) Acetone	2.380	43	139602	100.364	ug/l	94
17) Carbon Disulfide	2.514	76	85834	13.532	ug/l	99
18) Methyl Acetate	2.703	43	76672	22.008	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	183204	21.098	ug/l	98
20) Methylene Chloride	2.788	84	55944	19.171	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	50342	18.264	ug/l	97
22) Diisopropyl ether	3.764	45	167146	19.929	ug/l #	90
23) Vinyl Acetate	3.721	43	703912	97.357	ug/l	97
24) 1,1-Dichloroethane	3.611	63	96341	19.759	ug/l	98
25) 2-Butanone	4.562	43	222103	101.726	ug/l	98
26) 2,2-Dichloropropane	4.477	77	61602	16.114	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	63810	19.822	ug/l	94
28) Bromochloromethane	4.904	49	39629	19.309	ug/l	98
29) Tetrahydrofuran	5.007	42	140637	99.096	ug/l	95
30) Chloroform	5.099	83	108506	20.562	ug/l	97
31) Cyclohexane	5.477	56	75533	16.790	ug/l	94
32) 1,1,1-Trichloroethane	5.391	97	92683	20.119	ug/l	97
36) 1,1-Dichloropropene	5.696	75	71749	18.444	ug/l	99
37) Ethyl Acetate	4.715	43	82844	20.389	ug/l	99
38) Carbon Tetrachloride	5.684	117	76391	19.513	ug/l	98
39) Methylcyclohexane	7.385	83	80246	17.988	ug/l	96
40) Benzene	6.044	78	218681	19.560	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	47425	21.769	ug/l	91
42) 1,2-Dichloroethane	6.092	62	80815	19.597	ug/l	99
43) Isopropyl Acetate	6.342	43	126689	19.930	ug/l	98
44) Trichloroethene	7.129	130	60974	20.109	ug/l	98
45) 1,2-Dichloropropane	7.434	63	56903	20.400	ug/l	96
46) Dibromomethane	7.586	93	41170	19.764	ug/l	98
47) Bromodichloromethane	7.824	83	79337	20.514	ug/l	95
48) Methyl methacrylate	7.696	41	61641	20.074	ug/l	95
49) 1,4-Dioxane	7.671	88	33297	434.055	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	430829	102.897	ug/l	97
52) Toluene	8.720	92	142771	19.852	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	76316	18.221	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	84951	19.521	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	63976	21.815	ug/l	98
56) Ethyl methacrylate	9.116	69	92063	20.730	ug/l	94
57) 1,3-Dichloropropane	9.311	76	103076	20.839	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	220096	101.228	ug/l	96
59) 2-Hexanone	9.433	43	333674	102.574	ug/l	94
60) Dibromochloromethane	9.525	129	59688	20.869	ug/l	97
61) 1,2-Dibromoethane	9.610	107	64633	20.984	ug/l	98
64) Tetrachloroethene	9.275	164	55468	20.767	ug/l	97
65) Chlorobenzene	10.079	112	159713	21.286	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	60676	22.828	ug/l	98
67) Ethyl Benzene	10.195	91	274152	20.385	ug/l	98
68) m/p-Xylenes	10.305	106	214365	40.941	ug/l	100
69) o-Xylene	10.646	106	108904	21.125	ug/l	99
70) Styrene	10.659	104	177864	21.246	ug/l	99
71) Bromoform	10.799	173	42823	20.572	ug/l #	98
73) Isopropylbenzene	10.963	105	280947	20.768	ug/l	99
74) N-amyl acetate	10.848	43	102333	19.244	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	100579	21.673	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	89055m	21.317	ug/l	
77) Bromobenzene	11.201	156	69455	21.699	ug/l	97
78) n-propylbenzene	11.305	91	310115	19.818	ug/l	99
79) 2-Chlorotoluene	11.366	91	198151	20.661	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	236974	21.023	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	22422	18.642	ug/l #	84
82) 4-Chlorotoluene	11.457	91	223442	20.153	ug/l	100
83) tert-Butylbenzene	11.713	119	238282	21.834	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	238337	21.086	ug/l	100
85) sec-Butylbenzene	11.890	105	288654	21.442	ug/l	99
86) p-Isopropyltoluene	12.012	119	244581	21.651	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	131095	20.881	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	131705	20.225	ug/l	97
89) n-Butylbenzene	12.335	91	191963	19.613	ug/l	98
90) Hexachloroethane	12.542	117	36788	20.138	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	133455	21.639	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	21528	21.725	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	80621	22.633	ug/l	99
94) Hexachlorobutadiene	13.725	225	33579	23.204	ug/l	93
95) Naphthalene	13.774	128	292091	23.043	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	83389	23.308	ug/l	95

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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